



Stela+ gen2 Long, Square & Wide

BPP616 2150/CW PSU SRN CLO 76P L16 SVP

STELA-LONG GEN2, Power supply unit (On/Off), Standard road optic for S-class, Constant light output, Post-top for diameter 76 mm

In 2008 the arrival of the Stela family heralded a revolution in street lighting. In Stela + gen2 we are now presenting the next generation of LEDs and introducing programmable drivers. The REVOLED cooling and light distribution concept enables tremendous energy savings and a corresponding reduction in CO2 emissions, whilst meeting current lighting standards. Excellent thermal management of the LEDs ensures a very long lifetime, eliminating the need for lamp replacement. Higher flux per LED, flux tuning (using L-Tune) and the option of employing Constant Light Output (CLO) make it possible either to reduce the number of LEDs needed (lower cost per light point) or, when using the same number of LEDs as before, to reduce the power consumption (lower Total Cost of Ownership).

Product data

General Information		
Lamp family code	XP-G [LED XP-G]	
Light source replaceable	No	
Number of gear units	1 unit	
Driver included	Yes	
Remarks	*-Per Lighting Europe guidance paper	
	"Evaluating performance of LED based	
	luminaires - January 2018": statistically	
	there is no relevant difference in lumen	
	maintenance between B50 and for example	

	B10. Therefore, the median useful life (B50)	
	value also represents the B10 value.	
Light source engine type	LED	
Product family code	BPP616 [STELA-LONG GEN2]	
Lighting Technology	LED	
Value ladder	Performance	
Embedded control	Constant light output	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	-	

Datasheet, 2023, September 4 data subject to change

Stela+ gen2 Long, Square & Wide

BMEC mark Yes				
Cyberal Legist	ENEC mark	-	Optical cover shape	Curved
Cyber Cybe	EU RoHS compliant	Yes	Optical cover finish	Clear
Upward light output ratio 5 Overall height 200 mm Luminous Flax 1935 fm Effective projections area 0.05 mm² Sandard tit angle postoro 10° Dimension (Feight x Width X Depth) 220 x 265 x 990 mm Contradiated Color Interpearture (from) 5700 K Approval and Application 10°6 (Jour penetration protected, jet-proof depth with with X Depth) 10°6 (Jour penetration protected, jet-proof depth penetration protected, jet-proof depth with X Depth years) 10°6 (Jour penetration protected, jet-proof depth years) 10°6 (Jour penetration proof depth years) 10°6 (Jour penetration protected, jet-proof depth years) 10°6 (Jour penetration penetration protected, jet-proof depth years) 10°6 (Jour penetration penetration penetration penetration penetration penetration penetration penetration penetration penetrat			Overall length	590 mm
Effective projected area	Light Technical		Overall width	265 mm
Standard tilt angle posttop 10°	Upward light output ratio	0.5	Overall height	220 mm
Standard tilt angle side entry Correlated Color Temperature (Nom) 5700 K Approval and Application Impress protection code IP66 [Dist penetration-protected, jet-protected product of the Color specified (Nom) 12 li m/W Ingress protection code IP66 [Dist penetration-protected, jet-protected product of the Color specified (Nom) 12 li m/W Ingress protection code IR60 [20 J vandal-sestatars] IR61 [20 J vandal-s	Luminous Flux	1,935 lm	Effective projected area	0.05 m²
Approval and Application Ingress protection code IPG Dust penetration-protected, jet-pool IPG Dust penetration IPG Dust penetration IPG Dust penetration IPG	Standard tilt angle posttop	10°	Dimensions (Height x Width x Depth)	220 x 265 x 590 mm
Luminous Efficacy (rated) (Nom) 121 lm/W Color rendering index (CRI) 270 Mech. Impact protection code IRG6 (Dust penetration protected, jet-proo Mech. Impact protection code IRG0 (20 J vandal-resistant) Number of light sources 18 Light source color Cool white Optical cover type Polymethyl methacrylate bowl/cover Luminate light beam spread 105° x 153° Optic type outdoor Standard road optic for 5-class Operating and Electrical Imput Voltage 220 to 240 V Line Froque outdoor Standard road optic for 5-class Operating and Electrical Imput Voltage 220 to 240 V Line Froque outdoor 16 W Average CLO power consumption 16 W Average CLO power consumption 16 W Power factor (Fraction) 0.9 Connection 55rew connection with pug and socket Cable 7- Cable 7- Cable 7- Cable 7- Cable 8- Controls and Dimming Power of the A type B 1 Temperature range -40 to +50°C Controls and Dimming Power will, transformer Power supply unit (Ort/Off) Constant light output Yes Constant light output Yes Constant light output Power Supply unit (Ort/Off) Constant light	Standard tilt angle side entry	-		
Mech. impact protection code IKIO 20 J vandal-resistant Surge Protection (Common/Differential) Luminare subgroups cote of light sources IKIO 20 J vandal-resistant Luminare subgroups cote of light sources IKIO 20 J vandal-resistant Luminare subgroups cote on light sources IKIO 20 J vandal-resistant Luminare subgroups cote on light sources IKIO 20 J vandal-resistant Luminare subgroups cote on light sources IKIO 20 J vandal-resistant Luminare subgroups cote on light sources IKIO 20 J vandal-resistant Luminare subgroups cote on light sources IKIO 20 J vandal-resistant Luminare subgroups cote on light sources IKIO 20 J vandal-resistant Luminare subgroups cote on light sources IKIO 20 J vandal-resistant Luminare subgroups cote on light sources IKIO Ikio Luminare subgroups cote on light sources IKIO 20 J vandal-resistant Luminare subgroups cote on light sources IKIO 20 J vandal-resistant Luminare subgroups cote on light sources IKIO Ikio Luminare subgroups cote on light sources IKIO	Correlated Color Temperature (Nom)	5700 K	Approval and Application	
Number of light sources Light source color Cool white Coptical cover type Deploymently methacrylate bowl/cover Luminaire light beam spread 105° x 153° Optic type outdoor Standard road optic for 5-class Optic type outdoor Standard road optic for 5-class Optic type outdoor Standard road optic for 5-class Operating and Electrical Input Voltage 220 to 240 V Luminous flux tolerance Inflittal Performance (IEC Compliant) Luminous flux tolerance 7/-5% Initial CLO power consumption 16 W Invush current 65 A Over Time Performance (IEC Compliant) Luminous flux tolerance 7/-5% Initial Clore Rendering Index Tolerance 7/-5% Over Time Performance (IEC Compliant) Luminous flux tolerance 7/-5% Over Time Performance (IEC Compliant) Luminous flux tolerance 7/-5% Over Time Performance (IEC Compliant) Control gave factor (Fraction) 0 9 Connection Screw connection with pug and socket Cable No No Power Consumption No Driver/power unit/transformer Power supply unit (0n/0ff) Driver/power unit/transformer Power supply unit (0n/0ff) Product Data Order product name BPP616 2150/CW PSU SRN CLO 76P L16 SVP Full product name BPP616 2150/CW PSU SRN CLO 76P L16 SVP Full product name BPP616 2150/CW PSU SRN CLO 76P L16 Norearchal Auminum Material N. (ZNC) 912300025914 Material N. (ZNC) 91230025914 Material N. (ZNC) 912300025914 Material N. (ZNC) 91230025914 Material N. (ZNC) 912300025914 Material N. (ZNC) 91230025914 Material N. (ZNC		121 lm/W	Ingress protection code	IP66 [Dust penetration-protected, jet-proo
Light source color Cool white Optical cover type Polymethyl methacrylate bowl/cover Protection class IEC Safety class I Photobiological risk group 1 @200mm to Optic type outdoor Standard road optic for S-class Photobiological risk group 1 @200mm to Optic type outdoor Standard road optic for S-class Initial CLO power consumption 16 W Initial Culor power consumption 16 W Initial Color Rendering Index Tolerance 1/5 % Initial Color Rendering In	Color rendering index (CRI)	≥70	Mech. impact protection code	IK10 [20 J vandal-resistant]
Protection class IEC Safety class			Surge Protection (Common/Differential)	- '
Liminaire light beam spread 105 x 153* Optic type outdoor Standard road optic for 5-class Initial Performance (IEC Compliant)				
Departing and Electrical Initial Performance (IEC Compliant) Liminous flux tolerance	Optical cover type	Polymethyl methacrylate bowl/cover		
Operating and Electrical Input Voltage 220 to 240 V Luminous flux tolerance +/-5% Initial CLO power consumption 16 W Initial Chromaticity (0.330, 0.340) SDCM <7	Luminaire light beam spread	105° x 153°	Photobiological risk	
Input Voltage	Optic type outdoor	Standard road optic for S-class		EN62778
Input Voltage				
Line Frequency 50 to 60 Hz Initial chromaticity (0.330, 0.340) SDCM <7 Initial CLO power consumption 16 W Power consumption tolerance 4/-5% Init. Color Rendering Index Tolerance 4/-2 Initial CLO power consumption 16 W Init. Color Rendering Index Tolerance 4/-2 Init. Color Rendering In	Operating and Electrical			
Initial CLO power consumption 16 W Average CLO power consumption 16 W Inrush current 65 A Power Consumption 16 W Ilfe 100000 h Lumen maintenance at median useful 10 % Lumen maintenance at median useful life* Li00 Lumen maintenance at median useful life* Li00 Lumen maintenance at median useful life* Li00 Tonout to a maintenance at median useful life* Li00 Connection Screw connection with pug and socket Application Conditions Performance ambient temperature Tq 25 °C Product Data Order product name BPP616 2150/CW PSU SRN CLO 76P L16 SVP Full product name BPP616 2150/CW PSU SRN CLO 76P L16 SVP Full product name BPP616 2150/CW PSU SRN CLO 76P L16 SVP Full product code 912300025914 Material Nr. (12NC) 912300025914 Material Nr. (12NC) 912300025914 Material Nr. (12NC) 912300025914 Numerator - Quantity Per Pack 1 EAN/UPC - Case 8717943227976 Numerator - Packs per outer box 1 EAN/UPC - Case 8717943227976 Numerator - Packs per outer box 1 EAN/UPC - Case 8717943227976	Input Voltage	220 to 240 V		
Init. Color Rendering Index Tolerance	Line Frequency	50 to 60 Hz		
End CLO power consumption 16 W Inrush current 65 A Inrush time 100 ms Power Consumption 16 W Power Consumption 16 W Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* Li00 100000 h Lumen maintenance at median useful life* Li00 100000 h Lumen maintenance at median useful life* Li00 100000 h Lumen maintenance at median useful life* Li00 100000 h Lumen maintenance at median useful life* Li00 100000 h Lumen maintenance at median useful life* Li00 100000 h Lumen maintenance at median useful life* Li00 100000 h Application Conditions Performance ambient temperature Tq 25 °C Product Data Order product name BPP616 2150/CW PSU SRN CLO 76P L16 SVP Full product name BPP616 2150/CW PSU SRN CLO 76P L16 SVP Full product name BPP616 2150/CW PSU SRN CLO 76P L16 SVP Full product code 871794322797600 Order code 912300025914 Material Nr. (IZNC) 912300025914 Material Nr. (IZNC) 912300025914 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8717943227976 Numerator - Packs per outer box 1 EAN/UPC - Case 8717943227976 Fixation material Aluminum Housing Color Grey	Initial CLO power consumption	16 W		
Inrush current 65 A Over Time Performance (IEC Compliant) Inrush time 100 ms Control gear failure rate at median useful. 10 % Power Consumption 16 W Ilfe 100000 h Connection Screw connection with pug and socket. 100000 h Cable - 100000 h Number of products on MCB of 16 A type B 1 Application Conditions Performance ambient temperature Tq 25 °C Product Data Order product name BPP616 2150/CW PSU SRN CLO 76P L16 SVP Full product name BPP616 2150/CW PSU SRN CLO 76P L16 SVP Full product name BPP616 2150/CW PSU SRN CLO 76P L16 SVP Full product name BPP616 2150/CW PSU SRN CLO 76P L16 SVP Full product name BPP616 2150/CW PSU SRN CLO 76P L16 SVP Full product name BPP616 2150/CW PSU SRN CLO 76P L16 SVP Unimable No Mechanical and Housing <	Average CLO power consumption	16 W	Init. Color Rendering Index Tolerance	+/-2
Inrush time		.		
Power Consumption 16 W Life 100000 h Power Factor (Fraction) 0.9 Lumen maintenance at median useful life* Li00 Connection Screw connection with pug and socket 1000000 h Cable - Application Conditions Performance ambient temperature Tq 25 °C Temperature Ambient temperature range -40 to +50 °C Product Data Controls and Dimming SVP Dimmable No Full product name BPP616 2150/CW PSU SRN CLO 76P L16 Driver/power unit/transformer Power supply unit (On/Off) Full product code 871794322797600 Constant light output Yes Full product code 912300025914 Mechanical and Housing Material Nr. (12NC) 912300025914 Housing Material Aluminum Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8717943227976 Optic material Glass Numerator - Packs per outer box 1 EAN/UPC - Case 8717943227976 Numerator - Packs per outer box 1 EAN/UPC - Case 8717943227976				
Lumen maintenance at median useful life* L100			_	10 %
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Controls and DimmingDimmableNoFull product nameBPP616 2150/CW PSU SRN CLO 76P L16Driver/power unit/transformerPower supply unit (On/Off)SVPConstant light outputYesFull product code871794322797600Mechanical and HousingMaterial Nr. (12NC)912300025914Housing MaterialAluminumNumerator - Quantity Per Pack1Reflector material-EAN/UPC - Product/Case8717943227976Optic materialGlassNumerator - Packs per outer box1Optical cover materialPolymethyl methacrylateEAN/UPC - Case8717943227976Fixation materialAluminumHousing ColorGrey	Ampient temperature range	-40 to +50 °C		RPP616 2150/CW PSLLSRN CLO 76P L16
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Optical cover material Polymethyl methacrylate Fixation material Aluminum Housing Color Grey EAN/UPC - Case 8717943227976				
Fixation material Aluminum Housing Color Grey				
Housing Color Grey	·		• • • • • • • • • • • • • • • • • • • •	
Post-top for diameter 70 min		<u>-</u> _		
	mounting device	1 031-top for diameter 70 mm		

Stela+ gen2 Long, Square & Wide

Dimensional drawing







